



Office de la Propriété
Intellectuelle
du Canada

Un organisme
d'Industrie Canada

Canadian
Intellectual Property
Office

An agency of
Industry Canada

CA 2431866 A1 2002/07/11

(21) 2 431 866

(12) DEMANDE DE BREVET CANADIEN
CANADIAN PATENT APPLICATION

(13) A1

(86) Date de dépôt PCT/PCT Filing Date: 2002/01/03

(87) Date publication PCT/PCT Publication Date: 2002/07/11

(85) Entrée phase nationale/National Entry: 2003/06/13

(86) N° demande PCT/PCT Application No.: FI 2002/000004

(87) N° publication PCT/PCT Publication No.: 2002/054776

(30) Priorités/Priorities: 2001/01/03 (60/259,529) US;
2001/04/06 (09/827,796) US; 2001/06/18 (09/883,887) US;
2001/08/09 (09/925,769) US

(51) Cl.Int.⁷/Int.Cl.⁷ H04N 7/26, H04N 7/58

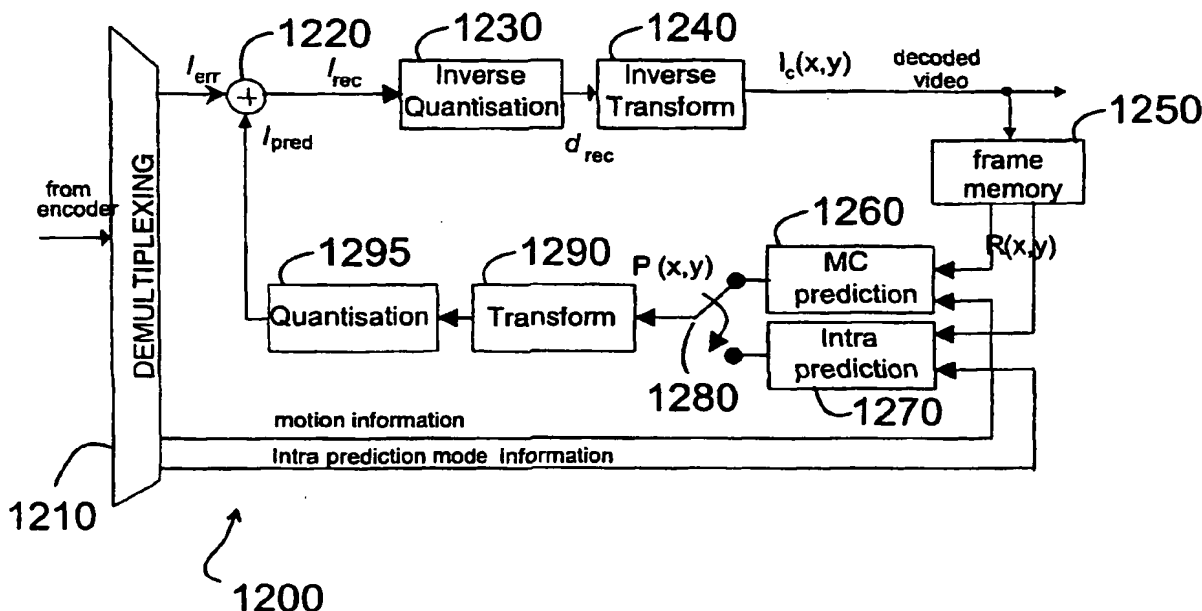
(71) Demandeur/Applicant:
NOKIA CORPORATION, FI

(72) Inventeurs/Inventors:
KARCZEWCZ, MARTA, US;
KURCEREN, RAGIP, US

(74) Agent: SIM & MCBURNEY

(54) Titre : COMMUTATION ENTRE DES TRAINS DE BITS EN TRANSMISSION VIDEO

(54) Title: SWITCHING BETWEEN BIT-STREAMS IN VIDEO TRANSMISSION



(57) Abrégé/Abstract:

The invention relates to a method for transmitting video information, in which at least a first bit-stream (510) and a second bit-stream are formed. The first bit-stream (510) comprises at least one video frame, and the second bit-stream (520) comprises at least one predictive video frame (524). At least partly different encoding parameters are used with encoding of the frames of said first bit-stream (510) and said second bit-stream (520). At least one frame of said first bit-stream (510) is being transmitted, and the transmission is switched over from said first (510) to said second bit-stream (520). In switching the transmission over from said first (510) to said second bit-stream (520), a secondary switching frame (550) is transmitted, which have been encoded using the encoding parameters of the second bit-stream (520) and at least one reference frame from the first bit-stream (510). Said secondary switching frame (550) is used as a reference frame in the reconstruction of said at least one predictive video frame (524) of the second set of video frames. The invention also relates to an encoder for encoding video information, a decoder for decoding a video information, and a signal representing encoded video information.

Canada

<http://opic.gc.ca> • Ottawa-Hull K1A 0C9 • <http://cipo.gc.ca>

OPIC • CIPO 191

OPIC



CIPO